

PROJECT NUMBER: 1333
PROJECT TITLE: Semiworks Process Control
PROJECT LEADER: D. A. Phan
PERIOD COVERED: July, 1988

A. Objective: Evaluate and revise the process control and data acquisition system to improve processing performance and production quality.

B. Results:

Hauni HT Steam Tunnel Installation (Oliver) - A new Rayco conveyor has been installed between the cutters and the Adt dryer feeder. The new conveyor has been checked out and in operation since 7/25. Installation of the steam tunnel was completed on 7/30.

Temperature Control System For Scandia Overwrappers (Phan/Sims) - Installation of a temperature control system to control the Scandia end-seal heaters for improving pack seal quality was complete. Further pack-seal testing from Osmalov indicated that the side-seal heaters also require proper temperature control. Additional controllers will be installed in August.

Second Aftercut Flavor Cylinder (Phan/Sims) - Electrical and instrumentation design for the second aftercut flavor cylinder has started. Control instruments have been ordered. Electrical installation is planned to begin the week of 9/19.

Plant Operation Support (Oliver/Sims) - Logics for the Modicon programmable controller and the touch-screen IDT system have been revised to reflect recent equipment removal and addition from the total blend silos to the Adt dryer. Electrical assistance has also been provided to in-house maintenance on the Quester steam tunnel and fluffer system removal project. Electrical drawings are being updated to reflect the above changes.

C. Plans: Complete the checkout of temperature control systems for 6 Scandia side-seal heaters. Complete electrical and instrumentation design for the second aftercut cylinder and final product reject system. Continue the installation of Onspec control software and qualification of another off-line Computrac moisture analyzer for primary. Continue providing electrical plant engineering support to the Semiworks and conduct routine QA functions.

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